

## Product datasheet for RN217456

### Rimbp2 (NM\_001100488) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Rimbp2 (NM_001100488) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Rimbp2
Synonyms:	Rbp2; RIM-BP2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN217456 representing NM_001100488 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCGAGAGGCTGCTGAGCGAAGGCAACAGCTGGAGTTGGAGCATGAGCAAGCCCTGGCCATTCTCAATG  
CCAAGCAGCAGGAGATCCAGCTTCTGCAGCAGGCTCAGGTTGAAGCTAAGAAAGAGCATGAAGGGGCTGT  
ACAGCTGTTAGAGAACACCTGGACTGCATGCAGTCCAAGTCCGAGAGCTGGAAGAGAAATGCCGTGTG  
CAAAGCGAGCAGTTAACTGTTGTCCCGGACCTGGAGAAGTCCGGCAACACGCTGGGAGATTGACC  
TGCTGGGAAGCAACTCAGTGGCCTTGCTGGATGTCCCTCTGGCCCTGGCAAGCCTTTCTCACAGTACAT  
GAATGGACTAGCCACTTCCATCCACAAAGGTACAGAGGGCCCCACCGGACACTACTCTGTGATTGGTGAC  
TATATCCCGCTGTCTGGGACAAGCTGGAGTCTCCGTGTGTGAAGCCCTCCTTCTGTGAGATCCAGCA  
GCCAAGATGCAGATTTGAGTCCGAGATGGACGATGACCGGAGCTTAACAAGTCCAAGCACAGCAGCTC  
GGGAAGGTGCACCTGTGTGGCCCGCTACAGTTACAACCCCTCGATGGGCCAATGAGAACCCGGAA  
GCGGAGCTGCCTCTCACGGCGGAAAGTATCTCTACGTCTATGGGACATGGATGAAGATGGGTTCTACG  
AAGGAGAATTTTGGATGGCAGAGGGGCTTGGTCCCTCAACTTTGTGATTTTATCCAGGACAACGA  
GTCACGGTTCGCTGGCACTCTGGGAGTGAGCAGGACCAGAATTTCTCAACCACTCTGGCATCAGTCTG  
GAACGCGACAGCATCCTTCACTCCACTCTCAACTCAAGTGGACTCGGGATCACTGACAAATGGTGGG  
GAACCCTGGACGTGAACATCGATGACATCGGAGAAGACATTGTGCCTTACCCTAGGAAAATCACCTCAT  
CAAACAGCTTGCCAAAAGTGTATCGTGGGCTGGGAGCCCCCTGCCGTGCCTCCCGGCTGGGGCACCGTG  
AGCAGTTATAATGTGCTGGTGGACAAAGAGACACGAATGAGCCTTGCCTGGGTAGGAGAACTAAGGCGC  
TAATCGAGAACTTAACACAGCCGCTGCACCTACCGCATCTCCGTGCAGTGCCTCACGAGCCGGGTAA  
CTCGGACGAGCTGCAATGCACACTGCTGGTGGCAAGGATGTGGTGGTGGCACCATCCAGCTGCGTGTG  
GACAACATCACACAGATCTCCGCCAGCTCTCGTGGCTGCCGACCAACAGTAACTACAGCCATATCATCT  
TCCTCAATGAAGAGGAATTGGACATCGTGAAGGCAGCCAGGTACAAGTATCAATTTCAACCTCAGGCC  
TAATATGGCCTACAAGGTGAAGGTCTTGGCCAGCCACACCAGATGCCCTGGCAGCTGCCGTGGAGCAG  
AGAGAAAAGAAGGAGGCTGTGTGGAGTTCTCCACGCTGCCTGCAGGCCCTCCGGCCCCGCCACAAGACG



TCACCGTCCAAGCTGGGGCCACCACTGCCTCCGTTTCAGGTCTCCTGGAAGCCCCCTGCACTGACTCCCAC  
 TGGTTGTCCAATGGAGCAAATGTACAGGATATGGCGTGTACGCCAAAGGGCAGAGGGTGGCTGAAGTC  
 ATCGCCCCACAGCAGATGGCGCGCAGTGGAGCTGGTCCGGCTGCGCAGCCTGGAGGCCAAGGCCGTGA  
 GTGTGCGCACCCTGTCCGCACAGGGAGAGTCCATGGATTCTGCCCTCGTGCCATCCCCCTGACCTCCT  
 GGTGCCTCCAGCCCCCACCAGGACTGCTCCCCACCAAAGCCATTAGCAAGTGACATGGATACAAA  
 ACATGGGTCCCCACGTCAAAGTGGATGAGTCTGGGAGCAGAGCCGGCCACCGGCCCTGCTCATGGCC  
 ACATGTTGGAACCACTGACATGCATAGCACTGGCCCTGGCAGAAGGTCACCCCTGCCAGCCGGATCCT  
 TCCTCAGCCACAAGGAGCCCTGTGTCAACCACGTCGCCAAGGCCATGGCCCGTGAAGCTGCACAGAGG  
 GTAGCTGAGAGCAACAGTTAGAGAAAAGGAGCCTCTTTTTAGAGCAAAGCAGTGTGGGCCGTACGCCA  
 ACTCAGACGAGGAGGATGGCTATGCCTCCCTGAGGTCAAGAGGAGAGGCACATCGGTGGATGACTTCT  
 GAAAGGGTCAGAGCTGGGCCAGCAGCCTCACTGTTGCCATGGAGATGAGTACCACACAGAGAGCAGCCGG  
 GGGTCAGACCTGTCGGACATCATGGAGGAAGTGGAGGAGCTATACTCAGAGATGCAGCTGGAGGATG  
 GGGGCCGCGTCGGCCAGCGGTACCTCTACAACGCCCTCAAGATTTTAGGAACTCCGCTTGTATGGG  
 ACGAGGAGACCGGATGGAGCATGTGAGCCGAAGTATTGCGACAGCGCGGAGGTCTCAGAGACATAGG  
 CCGATGGCTCCATCCATTGATGAATACAGGGGCGAGACCATTTCTCCAGACTTCTATGACGAGTCAG  
 AAACGGACCCCGGTGCTGAGGAGCTCCCGGCCCATCTTCGTTGCTCTGTTGACTATGACCCGCTCAC  
 CATGTCCCAAACCCGGATGCTGCCGAAGAGGAGCTGCCCTTCAAAGAAGGACAGATCATCAAGGTATAT  
 GGAGACAAAGACGCAGATGGCTTCTACCGTGGGGAGACCTGTGCCAGGCTCGGCCCTATTCCCTGTAACA  
 TGGTCTCCGAGATCCATGCGGATGATGAGGAGATGATGGACCAGCTGCTGAGACAAGGCTTCTCCCTCT  
 GAACACACCCGTGGAGAAAATAGAGAGAAGTAGAAGAAGCGGCCGGGGTCACTCTGTACCCACACGGAGA  
 ATGGTGGCTCTCTACGACTATGACCCTCGGAAAGCTCCCCTAACGTGGACGTTGAGGCTGAACTTCTGT  
 TTTGCACAGGAGACATTACTGTTTTTGGTGAATCGATGAAGACGGGTTTTATTACGGAGAGCTGAA  
 TGGGCAGAAAGGCCCTCGTGCCTTCCAATTCCTGGAAGAAGTGCCTGATGACGTGGAGGTCACCTTTCC  
 GATGCTCCGCCCACTACTCCACGACCCGCCATGCGCACCAAGGCCAAAAGGAAGAAGAGTGTTCATT  
 TCACACCCTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_001100488
- Insert Size:** 3231 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- Components:** The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
- Reconstitution Method:**
1. Centrifuge at 5,000xg for 5min.
  2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
  3. Close the tube and incubate for 10 minutes at room temperature.
  4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
  5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM\\_001100488.2](#), [NP\\_001093958.1](#)

RefSeq Size: 6862 bp

RefSeq ORF: 3231 bp

Locus ID: 266780

Cytogenetics: 12q13

Gene Summary: a binding protein related to the RIM/NIM family of neuronal C2 domain proteins [RGD, Feb 2006]